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PERIODICALS

MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XV, No. 12
HELENA INDEPENDENT-RECORD
HELENA, MONTANA
December, 1967

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1967, averaged 111,916 barrels daily, an increase of 4,846 barrels from the average November production of 107,070.

The nine refineries in state processed 107,308 barrels of crude oil daily for the month of December, 1967, an increase of 13,745 barrels from the 93,563 barrels processed daily during the month of November, 1967.

During December, 72 wells were completed, 33 oil, 5 gas wells and 34 dry holes.

During December, the commission issued 84 permits to drill new wells, a decrease of 31 from the 115 permits issued during November.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF DECEMBER, 1967

IN STORAGE DECEMBER 1st	
By Producers	385,448
By Transporters	1,109,959
By Refiners	837,259
TOTAL STORAGE	2,332,666
Produced in Montana During Month	3,469,399
Imported During Month	2,509,030
TOTALS	8,311,095
DISPOSITION:	
Refined in Montana	3,326,593
Exported	2,858,375
Used for Fuel or Lost	6,484
TOTAL	6,191,452
IN STORAGE DECEMBER, 31st	
By Producers	423,176
By Transporters	1,063,477
By Refiners	632,990
TOTAL STORAGE	2,119,643

NATURAL GAS WITHDRAWALS IN MONTANA

Month of December, 1967

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	144,180
Bowdoin	311,009
Bowes	46,391
Cabin Creek	105,732
Cedar Creek	970,390
Cut Bank (Including Reagan)	877,515
Devon	0
Dry Creek	91,258
Elk Basin	100,978
Flat Coulee	19,644
Gold Butte	4,883
Golden Dome	0
Grandview	4,755
Hardin	3,328
Keith Block	384,469
Kevin Sunburst	73,282
Lake Basin	104,489
Middle Butte	3,515
Mt. Lilly	106,354
Pine	71,308
Plevna	10,495
Utopia	124,723
Whitlash	103,662
Miscellaneous	197,645
TOTAL	3,860,005

Total withdrawals for December, 1966
were 3,062,148

PRODUCERS REPORT—MONTH OF DECEMBER, 1967

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	3	549	4,074	-----	3,926	-----	697
1	Bannatyne	1	673	421	-----	421	-----	673
5	Bear's Den	6	1,798	1,388	-----	1,388	-----	1,798
38	Bell Creek	110	55,408	734,081	707,141	-----	252	82,096
1	Benrud	1	372	1,190	1,306	-----	-----	256
1	Benrud East	1	1,166	9,610	10,087	-----	-----	689
1	Benrud Northeast	1	951	10,191	10,533	-----	-----	609
---	Berthelote	-----	428	-----	-----	-----	-----	428
6	Big Wall	21	1,271	21,088	19,798	-----	-----	2,561
4	Blackfoot	7	1,465	2,260	-----	1,672	-----	2,053
---	Blackfoot East	-----	40	-----	-----	-----	40	-----
5	Border	8	-----	2,282	-----	2,282	-----	-----
1	Bowes	57	4,069	15,567	13,669	-----	-----	5,967
2	Bradley	2	796	821	944	-----	-----	673
2	Brady	2	375	345	103	-----	-----	617
---	Bynum	-----	219	-----	-----	-----	219	-----
2	Cabin Creek	105	7,036	300,543	298,656	-----	-----	8,923
15	Cat Creek	73	3,552	21,960	16,208	5,078	144	4,082
1	Clark's Fork	1	151	-----	-----	-----	-----	151
2	Conrad South	2	662	1,042	1,042	-----	-----	662
1	Cupton	1	632	549	-----	-----	-----	1,181
151	Cut Bank	978	81,074	287,671	280,555	743	1,796	85,651
2	Deer Creek	3	768	2,920	2,282	-----	-----	1,406
1	Delphia	1	471	200	-----	200	-----	471
---	Devil's Basin	-----	714	-----	-----	-----	-----	714
14	Dwyer	15	6,767	19,316	19,339	-----	-----	6,744
4	Elk Basin	57	2,697	224,082	224,380	-----	-----	2,399
5	Elk Basin Northwest	14	3,337	10,733	10,874	-----	-----	3,196
4	Fairview	4	8,444	41,594	-----	45,560	129	4,349
3	Fertile Prairie	3	926	1,338	1,366	-----	-----	898
23	Flat Coulee	26	4,999	17,425	17,435	-----	-----	4,989
39	Flat Lake	57	6,850	78,364	78,247	-----	-----	6,967
1	Flat Lake South	1	543	1,562	1,880	-----	-----	225
2	Frannie	2	-----	1,019	1,019	-----	-----	-----
13	Fred & George Creek	31	2,267	74,693	73,886	-----	-----	3,074
---	Gage	-----	649	-----	-----	-----	-----	649
3	Gas City	22	8,626	37,101	38,573	-----	-----	7,154
11	Glendive	13	3,068	35,943	36,616	-----	-----	2,395
22	Goose Lake	30	4,382	64,943	64,197	-----	-----	5,128
9	Graben Coulee	27	4,971	10,905	9,666	1,564	-----	4,646
---	Grandview	-----	528	-----	-----	-----	-----	528
2	Gypsy Basin	2	1,237	150	-----	150	-----	1,237
4	Hiawatha	4	4,500	18,572	-----	20,392	-----	2,680
1	Hibbard	1	416	215	-----	-----	-----	631
6	Ivanhoe	7	1,992	11,362	11,131	-----	60	2,163
11	Keg Coulee	28	4,398	18,391	17,017	-----	-----	5,772
3	Keg Coulee North	3	949	1,210	866	-----	-----	1,293
1	Kelley	2	611	13,676	13,557	-----	-----	730
136	Kevin Sunburst	535	16,284	28,960	24,639	1,800	-----	18,805
1	Little Beaver	29	-----	31,721	31,721	-----	-----	-----
2	Little Beaver East	14	2,938	11,194	12,197	-----	-----	1,935
3	Lodge Grass	3	1,301	1,267	-----	775	-----	1,793
23	Lookout Butte	75	5,471	140,271	141,881	-----	-----	3,861
1	Mackay Dome	1	738	321	-----	263	-----	796
2	Mason Lake	2	649	1,353	1,416	-----	-----	586
2	Melstone	4	395	2,598	2,240	-----	-----	753
1	Mineral Bench	1	627	1,595	1,860	-----	-----	362
2	Miner's Coulee	5	408	853	-----	1,116	-----	145
11	Monarch	16	4,651	28,853	28,879	-----	-----	4,725
3	Mosser	3	472	-----	-----	472	-----	-----
6	Outlook	11	5,413	27,267	24,269	-----	-----	8,411
2	Outlook South	2	1,279	1,828	1,441	-----	-----	1,666
2	Outlook West	2	1,460	5,415	5,788	-----	-----	1,087
71	Pennel	116	6,873	153,103	154,480	-----	281	5,215
4	Pine	128	17,909	352,738	352,713	-----	-----	17,934
3	Pole Creek	3	289	2,765	-----	1,862	-----	1,192
66	Pondera	283	6,296	28,000	26,332	-----	-----	7,966
4	Poplar	67	10,472	58,855	60,558	-----	3	8,766
4	Poplar Northwest	5	2,335	1,718	2,416	-----	-----	1,637
---	Prairie Elk	-----	555	-----	-----	-----	-----	555
4	Ragged Point	12	2,082	11,371	9,700	-----	-----	3,753
1	Rattlesnake Coulee	1	773	765	1,107	-----	-----	431
4	Reagan	47	1,252	25,220	25,248	-----	-----	1,224
1	Red Creek	26	-----	27,879	27,497	382	-----	-----
1	Red Fox	1	585	10,419	10,611	-----	-----	393
1	Redstone	1	843	5,977	6,260	-----	-----	560
1	Repeat	1	390	1,370	-----	1,366	-----	394
3	Reserve	3	550	26,057	-----	26,607	-----	-----
1	Richey	1	253	450	450	-----	-----	253
6	Richey Southwest	8	1,118	7,297	7,389	-----	32	994
6	Sand Creek	9	2,105	8,788	8,779	-----	53	2,061
1	Shotgun Creek	1	483	725	-----	635	10	563
2	Sidney-Brorson	2	1,470	2,552	-----	1,653	-----	2,369
4	Smoke Creek	5	1,889	6,140	-----	6,335	-----	1,694
1	Snyder	4	1,218	220	-----	-----	-----	1,438
6	Soap Creek	7	2,516	4,532	-----	4,334	-----	2,714
1	Spring Lake	2	1,776	2,739	-----	3,490	-----	1,025
2	Stensvad	24	3,354	25,856	24,111	-----	-----	5,099
27	Sumatra	87	11,908	57,400	57,664	-----	-----	11,644
5	Tule Creek	7	2,765	38,463	-----	39,004	-----	2,224
2	Tule Creek East	2	1,099	24,380	-----	24,340	-----	1,139
2	Tule Creek South	3	753	6,542	190	6,103	-----	1,002
2	Vida	2	1,109	2,071	2,249	-----	-----	931
4	Volt	6	1,789	21,138	21,119	-----	-----	1,808
2	Weed Creek	4	800	12,515	12,450	-----	62	803
5	Weldon	16	1,168	114,020	113,171	-----	-----	2,017
18	Whitlash	44	7,628	20,369	20,068	-----	-----	7,929
2	Whitlash West	2	715	861	730	-----	-----	846
2	Wills Creek South	2	431	5,845	4,760	-----	-----	1,516
7	Wolf Springs	10	4,532	9,999	10,024	-----	-----	4,507
3	Woodrow	4	472	2,598	2,805	-----	-----	265
1	Wildcat, Carbon Cty	1	773	107	-----	291	-----	589
5	Wildcat, Glacier Cty	5	193	1,092	-----	950	-----	335
1	Wildcat, Richland Cty	1	1,251	500	-----	500	-----	1,251
1	Wildcat, Roosevelt Cty	1	198	62	-----	260	-----	-----
1	Wildcat, Sheridan Cty	1	1,065	1,036	-----	1,169	181	751
910	Total	3,391	385,448	3,469,399	3,221,585	207,083	3,262	422,917

Total Oil Produced & Shipped From Leases		Bbls. Produced		Daily Average		Bbls. Shipped		Daily Average	
Year, 1966		35,380,118		96,931		35,353,673		96,859	
First Quarter, 1967		8,269,076		91,878		8,253,252		91,702	
Second Quarter, 1967		8,227,117		90,407		8,237,583		90,522	
Third Quarter, 1967		8,715,614		94,735		8,693,544		94,495	
October, 1967		3,065,712		98,893		3,045,857		98,253	
November, 1967		3,212,108		107,070		3,186,530		106,217	
December, 1967		3,469,399		111,916		3,428,668		110,602	
Oil In Storage		In Producers Field Tank		In Transporters Storage		In Refiners Storage*		Total Oil In Storage*	
December, 1966		337,546		1,034,375		584,580		1,956,501	
March, 1967		345,817		1,086,767		636,377		2,068,961	
June, 1967		332,175		1,232,696		846,701		2,411,572	
September, 1967		346,297		987,145		614,613		1,948,055	
October, 1967		362,224		1,149,746		783,382		2,295,352	
November, 1967		385,448		1,109,959		837,259		2,332,666	
December, 1967		423,176		1,063,477		632,990		2,119,643	

*Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF DECEMBER, 1967

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,926				3,926		
BANNATYNE—Truck			421			421			
BEAR'S DEN—Truck			1,388					1,388	
BELL CREEK—Pipelines		707,141					707,141		
BIG WALL— Continental Pipeline Co.		19,799				19,799			
BLACKFOOT— Camerland Cardinal Corp.			1,672					1,672	
BORDER—Truck			2,282				2,282		
BOWES—Texaco		13,669				13,669			
CABIN CREEK & OTHERS* Butte Pipeline Co.	310,451	1,192,382	1,366	815,512			1,983,324		337,387
Shell Pipeline Co.	6,026	317,962			418			320,280	3,290
	316,477	1,510,344	1,366	815,512	418		1,983,324	320,280	340,677
CAT CREEK— Continental Pipeline Co.		16,208				16,208			
Truck			5,078			5,078			
		16,208	5,078			21,286			
CUT BANK— Continental Pipeline Co.			5,755	421,752				427,507	
Phillips Petroleum Co.	52,109	39,061		72,939	1,364	116,514			46,231
Texas Pipeline Co.	19,770	121,245		17,433	90			117,095	41,263
Union Oil Co.	80,633	78,150		32,691	(1,139)	110,698			81,915
Western Oil Trans. Co.		61,931						61,931	
Western Oil Trans. (Moulton)		44,934						44,934	
	152,512	345,321	5,755	544,815	315	227,212		651,467	169,409
DELPHIA—Truck			200			200			
DWYER—Portal Pipeline Co.		19,357					19,357		
ELK BASIN & ELK BASIN NORTHWEST— Marathon Pipeline Co.		233,560				233,560			
FAIRVIEW—Truck			45,560				45,560		
FLAT COULEE— Camerland Cardinal Corp.		14,709				14,709			
FLAT LAKE & FLAT LAKE SOUTH— Portal Pipeline Co.		72,060					72,060		
FRANNIE—Interstate Pipeline Co.		1,019					1,019		
FRED & GEORGE CREEK— Camerland Cardinal Corp.	9,434	73,231				34,919		33,552	14,194
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK— Texas Pipeline Co.	7,487	32,731			(176)			29,723	10,671
GOOSE LAKE— Portal Pipeline Co.		61,865					61,865		
HIAWATHA—Truck			20,392				20,392		
IVANHOE— Continental Pipeline Co.		11,326				9,488	1,838		
KEG COULEE & KEG COULEE NORTH— Continental Pipeline Co.		17,762				10,254	7,508		
KELLEY— Continental Pipeline Co.		13,135				13,135			
KEVIN SUNBURST— Big West Oil Co.	3,821	18,368			(205)	17,672			4,722
Homestake Oil & Gas Co.	2,424	1,016			116			801	2,523
Texas Pipeline Co.	7,415	10,497			116			6,956	10,840
	13,660	29,881			27	17,672		7,757	18,085
LODGE GRASS—Truck			775			775			
MACKAY—Truck			263				263		
MASON LAKE— Continental Pipeline Co.		1,416				1,416			
MELSTONE— Continental Pipeline Co.		2,240				2,240			
MOSSER—Truck			472				472		
POLE CREEK—Truck			1,862				1,862		
PONDERA—Phillips Petr. Co.	27,230	27,797			660	22,561			31,806
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT East Poplar Gathering System	13,468	186,206			(288)			183,616†	16,346
RAGGED POINT— Continental Pipeline Co.		9,238				1,078	8,160		
RED CREEK— Western Oil Transportation Co.		34,288						34,288	
RESERVE—Truck			26,607				26,607		
SHOTGUN CREEK—Truck			635				635		
SIDNEY-BRORSON—Truck			1,653					1,653	
SMOKE CREEK— Rock Island Oil & Ref. Co.			6,335				6,335		
SOAP CREEK—Truck			4,334				4,334		
SPRING LAKE— Rock Island Oil & Ref. Co.			3,490				3,490		
SUMATRA & STENSVD— Continental Pipeline Co.	565,183	76,967		422,737	2,017	48,108		561,822	452,940
TULE CREEK— Tesero Petr. Corp.	4,508		69,447			64,606			9,349
WEED CREEK— Continental Pipeline Co.		12,451				12,451			
WHITLASH & WHITLASH WEST— Camerland Cardinal Corp.		22,267				21,037		1,230	
WOLF SPRINGS— Continental Pipeline Co.		10,024				10,024			
WILDCAT WELLS—Truck			3,170				3,170		
TOTALS	1,109,959	3,576,012	207,083	1,783,064	2,973	800,620	2,980,600	1,828,448	1,063,477

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1967

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall				19,799						19,799
Cat Creek		3,379		6,814		3,722				13,915
Cut Bank	58,319						64,023		100,750	223,092
Delphia						308				308
Dry Creek						11				11
Elk Basin		94,202		59,656	79,702					233,560
Flat Coulee									14,709	14,709
Fred & George Creek	13,882						21,037			34,919
Gage & Gage S.W.						177				177
Hibbard						166				166
Ivanhoe		9,488								9,488
Keg Coulee				10,254						10,254
Kelley					13,135					13,135
Kevin Sunburst	17,672									17,672
Lodge Grass		775								775
Mason Lake		1,416								1,416
Melstone				2,240			31,923			2,240
Pondera										31,923
Ragged Point				1,078						1,078
Sand Creek						862				862
Sumatra & Stensvad		13,671		44,735	12,836					71,242
Tule Creek								64,606		64,606
Weed Creek					21,155					21,155
Whitlash							21,037			21,037
Wolf Springs					10,024					10,024
Total Montana Oil	89,873	122,931		144,576	136,852	5,246	138,020	64,606	115,459	817,563
Canadian Oil Imported		421,752								421,752
Wyoming Oil Imported		584,453		640,376	862,449					2,087,278
Total Montana, Canadian, and Wyoming Oil	89,873	1,129,136		784,952	999,301	5,246	138,020	64,606	115,459	3,326,593

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total	PERCENTAGE OF CRUDE OIL REFINED
Year, 1966	29,111	12,832	49,643	91,586	Montana 31.78% Wyoming 54.20%
December, 1966	28,506	20,724	56,490	105,720	Canada 14.02% 53.43%
December, 1967	26,372	13,605	67,331	107,308	19.61% 62.74%
					12.68%